

ORDER CODE HA000700

# iDM70

LASER DISTANCE METER WITH 70M RANGE,  
INCLINOMETER AND BLUETOOTH INTERFACE  
FOR CONNECTION TO IOS AND ANDROID DEVICES



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iDM70 is a professional laser distance meter designed for **measuring distances** between two spots in a simple, quick and efficient manner thanks to the integrated laser pointer. Its **small size** makes it a fully mobile device which can be used in any conditions and for any application (**construction, electric, do-it-yourself sector**, etc.) in which it is necessary to measure a linear length. This device also allows **calculating areas and volumes** and carrying out the **indirect measurement of heights in 2 spots and 3 spots** with the use of the **trigonometric method** and the mathematical principle of the **Pythagorean theorem**. The **measurement of the tilt** with respect to the horizontal line, a **timer on measurements** and a **small air bubble level** for a **perfect alignment to the targets** are among the available functions. Management of simple operations with the **internal memory** (sums and subtractions) and the presence of the **backlight function** of the display complete the available functions for the device. The HTLaserMeter App is also available **for free** for **iOS and Android** and is capable of **connecting in real time** to iDM70 and to carry out **measurements** associated to **pictures** in order to subsequently trace the lines within it.



**USE  
ALL THE POWER  
OF iDM70**



Download free  
HTLaserMeterBLE APP  
for iOS and Android devices

Download the free App from **App Store** and **Google play**.



## Functions

- Direct measurement of distance from 0.05m to 70m
- Measurement resolution: 0,001m
- Measurement of area and volume
- Measurement of heights by indirect method of the Pythagorean theorem.
- Measurement of tilt and distance
- Continuous (dynamic) 2-spot and 3-spot measurements
- Activation of the laser pointer for measurements
- Setting of measuring reference
- Setting of timer for measurements
- Selection of the measuring unit in "m" o "ft"
- Partial operations (additions/subtractions) with internal memory
- Connection to iOS/Android devices through Bluetooth
- Air bubble level
- Hole for tripod insertion
- Backlight
- Activation of buzzer upon key pressing
- Auto Power OFF



## Main features

|   |  |
|---|--|
| <b>Power supply:</b>                    | 2x1.5V alkaline batteries type AA LR06   |
| <b>Duration:</b>                        | max 8000 measurements                    |
| <b>Display:</b>                         | 5-digit LCD display with backlight       |
| <b>Memory:</b>                          | 20 locations + external through App      |
| <b>Interface:</b>                       | Bluetooth™ compatible with iOS - Android |
| <b>Mechanical protection:</b>           | IP54                                     |
| <b>Laser pointer:</b>                   | class 2 according to IEC/EN60825-1       |
| <b>Size (LxWxH):</b>                    | 135x53x30mm                              |
| <b>Weight<br/>(batteries included):</b> | 160 kg                                   |



## Included accessories

Soft carrying bag, battery and user manual

User manual HT LaserMeter APP

## 1. TECHNICAL SPECIFICATIONS

### DISTANCE MEASUREMENT

| Range [m] (*) | Resolution [m] | Accuracy (**) |
|---------------|----------------|---------------|
| 0.05 ÷ 70     | 0.001          | ±1.5mm        |

(\*) Measuring range and accuracy depend on the correct reflection of the laser beam from the surface of the object to the instrument's sensor and on the brightness of the environment in which tests are performed.

(\*\*) Under favourable conditions (optimum object surface, room temperature). Under unfavourable conditions (intense sunshine, poor reflective properties of the object, high variations in temperature) the resolution in measurements >10m may be higher by ±0.15mm/m (±0.0018in/ft)

## 2. GENERAL SPECIFICATIONS

### Mechanical specifications

|                            |                 |
|----------------------------|-----------------|
| Sizes (L x W x H):         | 135 x 53 x 30mm |
| Weight (included battery): | 160g            |

### General specifications

|                              |                           |
|------------------------------|---------------------------|
| Tilt angle range:            | ±65° (lateral tilt <±10°) |
| Timer on measurement:        | max 60s                   |
| Bluetooth connection:        | 3.0 EDR, max 10m          |
| Laser Finder APP compliance: | iOS/Android devices       |

### Power supply

|                        |  |
|------------------------|--|
| Internal supply:       | 2x1.5V batteries alkaline type AA LR06 |
| Battery life:          | > 8000 measurements                    |
| Auto Power OFF:        | 180s (meter) ; 30s (laser pointer)     |
| Laser pointer:         | class 2 according to IEC/EN60825-1     |
| Mechanical protection: | IP54                                   |

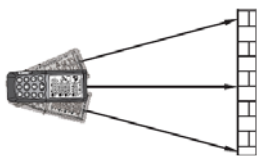
### Display

|           |                                     |
|-----------|-------------------------------------|
| Features: | quadruple LCD, 5 dgt with backlight |
|-----------|-------------------------------------|

### Environmental conditions

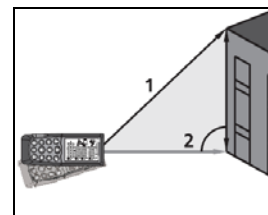
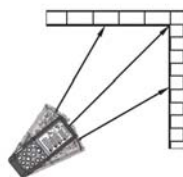
|                      |            |
|----------------------|------------|
| Working temperature: | 0 ÷ 40 °C  |
| Storage temperature: | -10 ÷ 60°C |

MIN

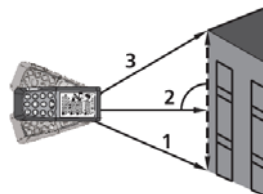


Continue measurement (dynamic)

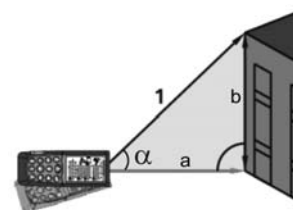
MAX



Indirect measurement (2 points)



Indirect measurement (3 points)



Tilt angle and distance measurement

This product conforms to the prescriptions of the European EMC directive 2004/108/EEC